

WHAT IS CLAIMED IS:

1. A bolt on drive assembly for a core drill comprising:

a cylindrical tube having a cutting edge at one longitudinal end and an open end at an opposite longitudinal end;

a mounting means mounted at said open end;

a spoked reinforcer, said spoked reinforcer having a center hub from which extends radially a plurality of spoked members, said spoked members being attached to said mounting means;

an outer disc mounted onto said spoked reinforcer and also onto said mounting means;

a drive connection centrally mounted on said outer disc, said drive connection adapted to connect to a drive shaft to cause rotation of said tube; and

a series of removable fasteners to secure said outer disc and said spoked reinforcer to said mounting means.

2. The bolt on drive assembly as defined in Claim 1 wherein:

said tube having a hollow chamber, said mounting means comprising a mounting ring, said mounting ring being located within said hollow chamber.

3. The bolt on drive assembly as defined in Claim 1  
wherein:

a water stop disc mounted between said spoked reinforcer  
and said mounting means, said water stop disc to function to  
5 prevent the passage of water from within said hollow chamber  
through said open end.

4. The bolt on drive assembly as defined in Claim 1  
wherein:

said drive connection comprising a coupler adapted to be  
10 threadably secured to a drive shaft.

5. The bolt on drive assembly as defined in Claim 4  
within:

said coupler being removably mounted with bolt fasteners  
to said stoked reinforcer.

15 6. A method of making a core drill comprising the  
steps of:

utilizing a cylindrical open ended tube which has a  
hollow through chamber;

forming a cutting edge at one end of said tube;

20 forming a mounting means at an opposite end of said  
tube; and

bolting a spoked reinforcer onto said mounting means  
where said spoked reinforcer is connected to a driving connection.

7. The method as defined in Claim 6 wherein prior to the bolting step there is the additional step of inserting a first thin disc across said hollow chamber essentially closing said hollow chamber to prevent passage of water therethrough with said  
5 bolting also functioning to secure said first thin disc in place.

8. The method as defined in Claim 7 wherein prior to the bolting step there is the additional step of placing a second thin disc across said hollow chamber covering said spoked reinforcer with said bolting also functioning to secure said  
10 second thin disc in place.